

AMENDMENTS TO THE SPECIFICATION**In the specification:**

Please amend paragraph [0004] as follows:

--[0004] The present pace of automation and Internet-based business development in the global marketplace has prompted the appearance of a number of automation/software service companies who offer services which help companies increase profits and efficiency by implementing software based on complexity science, a broad field that includes chaos theory. Complexity researchers use genetic algorithms, artificial neural networks, and other tools to create models of real world systems ranging from steel production to the immune system. Companies such as Bios Group™, i2 Technologies™, Prediction™, and Artificial Life™ are developing complexity applications for the business world. These are applications which simulate an existing company's operations, such as airline cargo operations, customer order handling operations and various pricing strategies. These simulations typically make use of genetic algorithms, simulation of biological processes by using neural patterning, and by using software agents and electronic robots ("bots") and computer models to conduct various studies. Such systems typically involve hundreds if not thousands of constraints in the model and involve many complex calculations. These new applications are described in general in the article titled "Complexity's Business Model" in Scientific American (01/01) Vol. 284, No. 1, P. 31; by Julie Wakefield, which is hereby incorporated fully herein by reference. ~~This article can be referenced on line at the URL=www.sciam.com/2001/0101issue/0101techbus1.html.~~ --